

We claim:

1. A copolymer of
 - 5 (A1) 70 to 100 mol% of at least two different monoethylenically unsaturated carboxylic acid monomers and
 - (A2) 0 to 30 mol% of one or more nonionic monomers,
- 10 which have been reacted with
 - (B) 5 to 30 mol%, based on the amidatable functional groups present in the copolymer of the monomers (A1) and if desired (A2), of an amino-C₁-C₂-alkanesulfonic acid and/or a salt thereof.
- 15 2. The copolymer according to claim 1, which comprises, in copolymerized form, as component (A1), at least two monomers from the group of monoethylenically unsaturated C₃-C₆-monocarboxylic acids, of monoethylenically unsaturated C₄-C₈-dicarboxylic acids and their anhydrides and the salts of these acids.
- 20 3. The copolymer according to claim 1 or 2 which is made up only of the monomers (A1).
- 25 4. The copolymer according to claims 1 to 3, which comprises, in copolymerized form, as monomer (A1), methacrylic acid, acrylic acid and/or maleic acid.
- 30 5. The copolymer according to claims 1 to 4, which comprises, in copolymerized form, as monomer (A1), methacrylic acid and acrylic acid in the molar ratio 9:1 to 1:2.
- 35 6. The copolymer according to claims 1 to 5, in which 2-aminoethanesulfonic acid and/or a salt of this acid has been used as component (B).
7. A process for the preparation of copolymers according to claims 1 to 6, which comprises
 - a) copolymerizing at least two of the monomers (A1) and, if desired, one or more of the nonionic monomers (A2) free-radically with one another and
 - 40 b) reacting the copolymer obtained in step a) with an amino-C₁-C₂-alkane-sulfonic acid and/or a salt of this acid.

8. The use of copolymers according to claims 1 to 6 in detergents, cleaners and rinse aids.
- 5 9. The use of copolymers according to claims 1 to 6 as film-inhibiting additive for detergents and rinse aids for dishwashers.
10. A detergent, cleaner or rinse aid which comprises copolymers according to claims 1 to 6 as additive.